



ENGINEERING PLASTIC PRODUCTS  
 HDPE SHEETS

**Polyplate PE-300**

Based on material TIPELIN 7111S

PROPERTY	TEST METHOD	UNIT	VALUE
DENSITY (23°C)	ISO 1183-2	kg/m <sup>3</sup>	949
MELT MASS - FLOW RATE (MFR) (190°C/2,16 kg)	ISO 1133-1	g/10 min	0,12
MELT MASS - FLOW RATE (MFR) (190°C/5 kg)	ISO 1133-1	g/10 min	0,50
MELT MASS - FLOW RATE (MFR) (190°C/21,6 kg)	ISO 1133-1	g/10 min	13
TENSILE STRENGTH AT YIELD	ISO 527-3	MPa	25
TENSILE STRENGTH AT BREAK	ISO 527-3	MPa	30
TENSILE STRAIN AT YIELD	ISO 527-3	%	11
TENSILE STRAIN AT BREAK	ISO 527-3	%	1215
IZOD IMPACT STRENGTH (NOTCHED, 23°C)	ISO 180/A	kJ/m <sup>2</sup>	19
SHORE D HARDNESS	ISO 868	-	63
VICAT SOFTENING TEMPERATURE	ISO 306/A 120	°C	125
ESCR F50 B (10% LGEPAL CO-630)	ASTM D 1693	h	> 10000
FLEXURAL MODULUS	ISO 178	MPa	1350
OIT (200 °C)	EN 728	min	120

The information in this data sheet represents typical values and should not be used as a specification.